

Understanding Algal Blooms

June 13-14, 2007

University of California, Santa Cruz
Alumni Room, University Center &
Earth and Marine Sciences Building

<http://maps.ucsc.edu/cduniversitycenter.html>

Agenda

Day 1 Alumni Room-University Center

- 9:00 – 9:15am Sign In & Refreshments
- 9:15 – 9:40am [Introductions and Overview of Algal Blooms / Dominic Gregorio](#)
- 9:40 – 10:10am Ecology of Marine Phytoplankton Blooms in California: Factors Contributing to Blooms / Raphael Kudela
- 10:10-10:20am Break
- 10:20-11:10am [Toxic Marine Phytoplankton Monitoring, Paralytic Shellfish Poisoning and Domoic Acid Poisoning/ Gregg Langlois](#)
- 11:10-11:40am Algal Blooms in Lakes and Streams/ Craig Wilson
- 11:40-12:10am [Overview of Cyanobacteria: Factors Contributing to Blooms, Water Quality Problems, Statewide Issues/ Kim Ward](#)
- 12:10-1:25pm Lunch Break (on your own)
- 1:25-1:55pm Case Study: *Microcystis* Blooms in the San Francisco Estuary/ Peggy Lehman
- 2:00-5:00pm Field Trip to Santa Cruz Wharf and Natural Bridges State Park

Day 2 Earth and Marine Sciences Building

- 9:00-9:15am Reconvene & Recap Previous Day/ Dominic Gregario
- 9:15-12:00 Microscopy Lab and Field-Test Kit Demos/ Raphael Kudela, Gregg Langlois, Peter Miller (UCSC), Lab Staff
- 12:00-1:15pm Lunch Break (on your own)
- Reconvene at Alumni Room-University Center**
- 1:15-1:45pm Legal and Regulatory Agency Roles & Responsibilities: DHS, DFG, SWRCB, USEPA, USFWS & NOAA, Panel discussion
- 1:45-2:45pm Panel Discussion: Are Blooms Anthropogenic? How Do We Know?
What can we do about them? Management issues (e.g. Nutrient runoff, effluent dominated water bodies, chemical treatments)
Regulatory Approaches: Standards, 303(d) listing issues, TMDLs.
- 2:45-3:00pm Evaluation forms and Adjourn